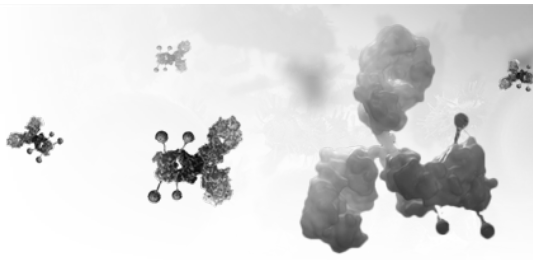

TIMP1 peptide (DAG-P1233)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction. [provided by RefSeq, Jul 2008]
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Sequence Similarities	Belongs to the protease inhibitor I35 (TIMP) family.Contains 1 NTR domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

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Gene Name	TIMP1 TIMP metallopeptidase inhibitor 1 [Homo sapiens (human)]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metallopeptidase inhibitor 1; EPA; EPO; HCI; CLGI; TIMP; metalloproteinase inhibitor 1; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1;
Entrez Gene ID	7076
mRNA Refseq	NM_003254.2
Protein Refseq	NP_003245.1
UniProt ID	P01033
Chromosome Location	Xp11.3-p11.23
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; HIF-1 signaling pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet
Function	metal ion binding; metalloendopeptidase inhibitor activity; protease binding; protein binding;

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